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MUSC 622 Materials and Methods of Research
Teaching Concentration

Course objectives:

Each student will

1. become familiar with the resources for music research
2. understand the design of experimental, descriptive, and historical research in music education
3. understand the basic statistical procedures common to educational research
4. develop scholarly writing skills
5. identify and research a topic of individual interest

Text

Phelps, Roger et al. *Guide to Research in Music Education* (4th edition). Metuchen, NJ: Scarecrow Press, 1993

Supplemental texts on reserve

Colwell, Richard, ed., *Handbook of Research on Music Teaching and Learning*, New York: Schirmer Books, 1992.

Glenn, Neal E. and Turnetine, Edgar M. *Introduction to advanced study in music education*. Dubuque, Iowa: William C. Brown Co., 1968.

Gonzo, C.L., "On writing a critical review," *Council for Research in Music Education*, 1972, 28, 14-22.

Petzold, R.G., "Writing a critical review of descriptive or experimental research." *Council for Research in Music Education*, 97 , 19-28.

Rainbow, Edward L. and Froehlich, Hildegard C. *Research in Music Education*. New York: Schirmer Books, 1987.

Major Topics

Library and internet resources

The body of knowledge in music education

Finding a research topic

Statement of the problem, testing of hypotheses, review of research, procedures,
reporting results, conclusions, recommendations

Qualitative and quantitative research

Statistical measures

Variables

Sampling

Testing

Validity

Reliability

Relationships

Significance

level of confidence

testing of hypotheses

t and *f*

Writing in research style

Documenting sources

Assignments

Identify Morris Library journal holdings and music reference materials

Find online references for research reports and dissertations

Read and summarize ten research articles from JRME, CRIME, Musica

Select a research topic and write:

Introduction

The need for the study

Statement of the Problem

Hypotheses—null and research

Review of research—use DA online and order through inter-library loan

Procedure